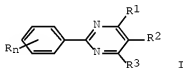


TITLE: Use of phenylpyrimidines as plant growth regulators  
 INVENTOR(S): Seiler, Alfred; Mueller, Urs  
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G. , Ger. Dem. Rep.  
 SOURCE: Eur. Pat. Appl., 57 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 136976	A2	19850410	EP 1984-810408	19840820 <--
EP 136976	A3	19850515		
R: BE, CH, DE, FR, GB, IT, LI, NL				
JP 60072808	A	19850424	JP 1984-175823	19840823 <--
PRIORITY APPLN. INFO.:			CH 1983-4614	A 19830823 <--
OTHER SOURCE(S):		MARPAT 104:47176		
ED		Entered STN: 23 Feb 1986		
GI				



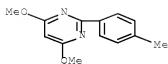
AB The phenylpyrimidines I (R = H, halo, NO<sub>2</sub>, CN, OH, alkyl, etc.; R<sub>1</sub> and R<sub>2</sub> = H, halo, alkyl, alkoxyalkyl, etc.; R<sub>3</sub> = H, halo, alkyl, haloalkyl, or Ph) are plant growth regulators. Thus, 2-phenyl-4,6-dichloropyrimidine [3740-92-9] (500 mg/kg), applied as a seed dressing, increased the length and weight of wheat roots. The synthesis of I is given.

IC ICM A01N043-54  
 CC 5-3 (Agrochemical Bioregulators)  
 Section cross-reference(s): 28

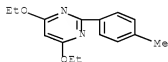
IT

3740-90-7P	3740-91-8P	3740-92-9P	13514-79-9P	14727-23-2P
15726-40-6P	17077-89-3P	17077-93-9P	20655-14-5P	21139-61-7P
21139-63-9P	26863-48-9P	26863-54-7P	26870-72-4P	29509-92-0P
29954-25-4P	35252-98-3P	72520-17-3P	77232-12-3P	
<u>77232-14-5P</u>	<u>77232-18-9P</u>	<u>77232-19-0P</u>		
<u>77232-21-4P</u>	<u>77232-23-6P</u>	<u>77232-25-8P</u>		
<u>79382-42-6P</u>	<u>79382-43-7P</u>	<u>79382-44-8P</u>		
<u>79382-45-9P</u>	<u>79382-46-0P</u>	<u>79382-47-1P</u>		
<u>79382-48-2P</u>	<u>79382-49-3P</u>	<u>79382-50-6P</u>		
<u>79382-51-7P</u>	<u>79382-68-6P</u>	<u>79382-77-7P</u>	<u>79382-78-8P</u>	
<u>79382-82-4P</u>	<u>79396-00-2P</u>	<u>83216-81-3P</u>	<u>83216-82-4P</u>	
<u>83216-83-5P</u>	<u>83216-84-6P</u>	<u>83216-85-7P</u>		
<u>83216-86-8P</u>	<u>83216-87-9P</u>	<u>83216-88-0P</u>		
<u>83216-89-1P</u>	<u>83216-90-4P</u>	<u>83216-91-5P</u>		
<u>83216-92-6P</u>	<u>83216-93-7P</u>	<u>83216-94-8P</u>		
<u>83216-95-9P</u>	<u>83216-96-0P</u>	<u>83216-97-1P</u>	<u>83216-98-2P</u>	
<u>83216-99-3P</u>	<u>83217-00-9P</u>	<u>83217-01-0P</u>		
<u>83217-02-1P</u>	<u>83217-03-2P</u>	<u>83217-04-3P</u>		
<u>83217-05-4P</u>	<u>83217-06-5P</u>	<u>83217-07-6P</u>	<u>83217-08-7P</u>	<u>83217-09-8P</u>
<u>83217-10-1P</u>	<u>83217-11-2P</u>	<u>83217-12-3P</u>	<u>83217-13-4P</u>	<u>83217-14-5P</u>

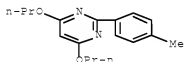




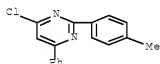
RN 77232-18-9 HCAPLUS  
 CN Pyrimidine, 4,6-diethoxy-2-(4-methylphenyl)- (CA INDEX NAME)



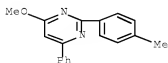
RN 77232-19-0 HCAPLUS  
 CN Pyrimidine, 2-(4-methylphenyl)-4,6-dipropoxy- (CA INDEX NAME)



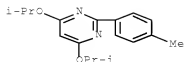
RN 77232-21-4 HCAPLUS  
 CN Pyrimidine, 4-chloro-2-(4-methylphenyl)-6-phenyl- (CA INDEX NAME)



RN 77232-23-6 HCAPLUS  
 CN Pyrimidine, 4-methoxy-2-(4-methylphenyl)-6-phenyl- (CA INDEX NAME)

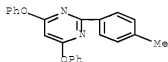


RN 79382-42-6 HCAPLUS  
 CN Pyrimidine, 4,6-bis(1-methylethoxy)-2-(4-methylphenyl)- (CA INDEX NAME)



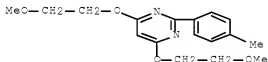
RN 79382-43-7 HCAPLUS

CN Pyrimidine, 2-(4-methylphenyl)-4,6-diphenoxy- (CA INDEX NAME)



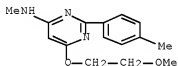
RN 79382-44-8 HCAPLUS

CN Pyrimidine, 4,6-bis(2-methoxyethoxy)-2-(4-methylphenyl)- (CA INDEX NAME)



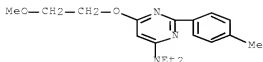
RN 79382-46-0 HCAPLUS

CN 4-Pyrimidinamine, 6-(2-methoxyethoxy)-N-methyl-2-(4-methylphenyl)- (CA INDEX NAME)



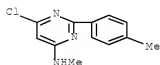
RN 79382-47-1 HCAPLUS

CN 4-Pyrimidinamine, N,N-diethyl-6-(2-methoxyethoxy)-2-(4-methylphenyl)- (CA INDEX NAME)



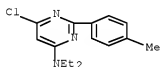
RN 79382-48-2 HCAPLUS

CN 4-Pyrimidinamine, 6-chloro-N-methyl-2-(4-methylphenyl)- (CA INDEX NAME)



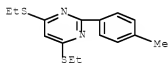
RN 79382-49-3 HCAPLUS

CN 4-Pyrimidinamine, 6-chloro-N,N-diethyl-2-(4-methylphenyl)- (CA INDEX NAME)



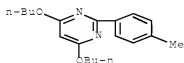
RN 79382-50-6 HCAPLUS

CN Pyrimidine, 4,6-bis(ethylthio)-2-(4-methylphenyl)- (CA INDEX NAME)



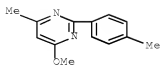
RN 79382-51-7 HCAPLUS

CN Pyrimidine, 4,6-dibutoxy-2-(4-methylphenyl)- (CA INDEX NAME)



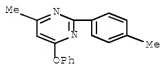
RN 79382-78-8 HCAPLUS

CN Pyrimidine, 4-methoxy-6-methyl-2-(4-methylphenyl)- (CA INDEX NAME)



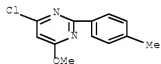
RN 79382-82-4 HCAPLUS

CN Pyrimidine, 4-methyl-2-(4-methylphenyl)-6-phenoxy- (CA INDEX NAME)



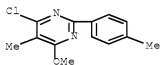
RN 83216-84-6 HCAPLUS

CN Pyrimidine, 4-chloro-6-methoxy-2-(4-methylphenyl)- (CA INDEX NAME)



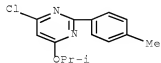
RN 83216-85-7 HCAPLUS

CN Pyrimidine, 4-chloro-6-methoxy-5-methyl-2-(4-methylphenyl)- (CA INDEX NAME)



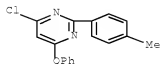
RN 83216-86-8 HCAPLUS

CN Pyrimidine, 4-chloro-6-(1-methylethoxy)-2-(4-methylphenyl)- (CA INDEX NAME)



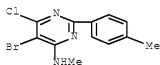
RN 83216-87-9 HCAPLUS

CN Pyrimidine, 4-chloro-2-(4-methylphenyl)-6-phenoxy- (CA INDEX NAME)



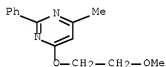
RN 83216-88-0 HCAPLUS

CN 4-Pyrimidinamine, 5-bromo-6-chloro-N-methyl-2-(4-methylphenyl)- (CA INDEX NAME)



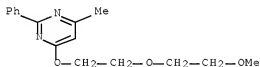
RN 83216-89-1 HCAPLUS

CN Pyrimidine, 4-(2-methoxyethoxy)-6-methyl-2-phenyl- (CA INDEX NAME)



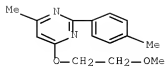
RN 83216-90-4 HCAPLUS

CN Pyrimidine, 4-[2-(2-methoxyethoxy)ethoxy]-6-methyl-2-phenyl- (CA INDEX NAME)



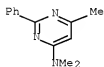
RN 83216-91-5 HCAPLUS

CN Pyrimidine, 4-(2-methoxyethoxy)-6-methyl-2-(4-methylphenyl)- (CA INDEX NAME)



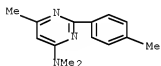
RN 83216-92-6 HCAPLUS

CN 4-Pyrimidinamine, N,N,6-trimethyl-2-phenyl- (CA INDEX NAME)



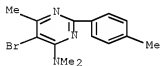
RN 83216-93-7 HCAPLUS

CN 4-Pyrimidinamine, N,N,6-trimethyl-2-(4-methylphenyl)- (CA INDEX NAME)



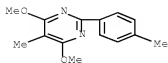
RN 83216-94-8 HCAPLUS

CN 4-Pyrimidinamine, 5-bromo-N,N,6-trimethyl-2-(4-methylphenyl)- (CA INDEX NAME)



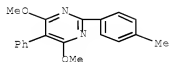
RN 83216-98-2 HCAPLUS

CN Pyrimidine, 4,6-dimethoxy-5-methyl-2-(4-methylphenyl)- (CA INDEX NAME)

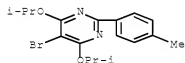




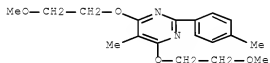
RN 83216-99-3 HCAPLUS  
 CN Pyrimidine, 4,6-dimethoxy-2-(4-methylphenyl)-5-phenyl- (CA INDEX NAME)



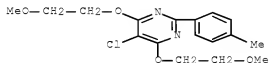
RN 83217-00-9 HCAPLUS  
 CN Pyrimidine, 5-bromo-4,6-bis(1-methylethoxy)-2-(4-methylphenyl)- (CA INDEX NAME)



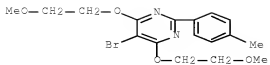
RN 83217-01-0 HCAPLUS  
 CN Pyrimidine, 4,6-bis(2-methoxyethoxy)-5-methyl-2-(4-methylphenyl)- (CA INDEX NAME)



RN 83217-02-1 HCAPLUS  
 CN Pyrimidine, 5-chloro-4,6-bis(2-methoxyethoxy)-2-(4-methylphenyl)- (CA INDEX NAME)

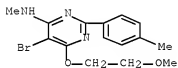


RN 83217-03-2 HCAPLUS  
 CN Pyrimidine, 5-bromo-4,6-bis(2-methoxyethoxy)-2-(4-methylphenyl)- (CA INDEX NAME)



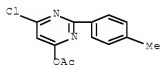
RN 83217-04-3 HCAPLUS

CN 4-Pyrimidinamine, 5-bromo-6-(2-methoxyethoxy)-N-methyl-2-(4-methylphenyl)-  
(CA INDEX NAME)



RN 83217-71-4 HCAPLUS

CN 4-Pyrimidinol, 6-chloro-2-(4-methylphenyl)-, 4-acetate (CA INDEX NAME)



RN 97513-49-0 HCAPLUS

CN 4-Pyrimidinesulfonic acid, 3,6-dihydro-2-(4-methylphenyl)-6-oxo-, methyl  
ester (CA INDEX NAME)

